

Chemistry

Chapter 8 Review

What is the difference in the atoms of Groups 1 and 2 and those of Groups 13 – 18 in relation to size?

How do alkaline earth metals to achieve noble gas configuration?

With what does each row of the periodic table end?

Which sublevel region of the periodic table are active metals in?

What is the relation of a negative ion to its atom?

What is the relation of a positive ion to its atom?

What two actinides are used in nuclear fuels?

How do melting and boiling points of transition metals compare to those of main group elements?

What are the most unreactive group of elements?

What alkaline earth element is necessary for photosynthesis?

How many oxidation states do most transition metals have?

Why are the following alloys important? What elements do they combine with and why?

- **magnesium**
- **zinc**
- **chromium**

What are the elements in the Iron Triad?

What element is essential in hemoglobin because of its ability to bond with oxygen?

What are the Coinage Metals?

What is the most important use of lead?

Which electrons are involved in chemical bonding in transition metals (name the sublevel)?

How do you tell which elements are most likely to react with others?